

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	09/888,261
				Filing Date	June 21, 2001
				First Named Inventor	NIKOLSKIY, SERGEY
				Art Unit	2123
				Examiner Name	Ayal I. Sharon
Sheet	1	of	1	Attorney Docket Number	018563-003410US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
/AS/	AA	US-6,151,404 A	11-21-2000	Pleper	
/AS/	AB	US-6,388,548	06-04-2002	Muhammad et al.	
/AS/	AC	US-6,554,611	04-29-2003	Chishti et al.	
/AS/	AD	US-6,558,162 B1	05-06-2003	Porter et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>a</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
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Examiner Signature	/Ayal Sharon/	Date Considered	04/17/2007
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/ASI/	AA	US-3,407,500	10-29-1988	Kesling	
	AB	US-3,600,808	08-24-1971	Reeve	
	AC	US-3,683,502	08-15-1972	Wallstein	
	AD	US-3,738,005	06-12-1973	Cohen	
	AE	US-3,922,788	12-02-1975	Lavin	
	AF	US-3,983,628	10-05-1978	Acavedo	
	AG	US-4,253,838	03-03-1981	Coles et al.	
	AH	US-4,324,547	04-13-1982	Arcan et al.	
	AI	US-4,500,294	02-18-1985	Lewis	
	AJ	US-4,526,540	07-02-1985	Dellinger	
	AK	US-4,575,330	03-11-1988	Hull	
	AL	US-4,591,341	05-27-1986	Andrews	
	AM	US-4,609,349	08-02-1986	Cain	
	AN	US-4,684,626	05-12-1987	Kesling	
	AO	US-4,676,747	06-30-1987	Kesling	
	AP	US-4,836,778	06-06-1989	Baumrind et al.	
	AQ	US-4,850,865	07-25-1989	Napolitano	
	AR	US-4,877,398	10-31-1989	Kesling	
	AS	US-4,880,380	11-14-1989	Martz	
	AT	US-4,889,238	12-26-1989	Batchelor	
	AU	US-4,890,608	01-02-1990	Stear	
	AV	US-4,935,635	08-19-1990	O'Hara	
	AW	US-4,941,826	07-17-1990	Loran et al.	
	AX	US-4,983,334	01-08-1991	Adell	
	AY	US-5,125,832	08-30-1992	Kesling	
	AZ	US-5,130,064	07-14-1992	Smalley	
	BA	US-5,145,384	09-08-1992	Martz et al.	
	BB	US-5,176,517	01-05-1993	Truax	
	BC	US-5,328,362	07-12-1994	Watson et al.	
	BD	US-5,440,326	08-08-1995	Quinn	
	BE	US-5,528,735	06-18-1998	Strasnick et al.	
	BF	US-5,562,448	10-08-1998	Mushabac	
	BG	US-5,614,075	03-25-1997	Andre	
	BH	US-5,621,848	04-15-1997	Crump	
/ASI/	BI	US-5,645,420	07-08-1997	Bergersen	

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/AS/	BJ	US-5,692,894	12-02-1997	Schwartz et al.	
	BK	US-5,725,376	03-10-1998	Poirier	
	BL	US-5,725,376	03-10-1998	Wang	
	BM	US-5,742,700	04-21-1998	Yoon et al.	
	BN	US-5,799,100	08-25-1998	Clarke et al.	
	BO	US-5,800,174	09-01-1998	Andersson	
	BP	US-5,823,778	10-20-1998	Schmitt et al.	
	BQ	US-5,848,115	12-08-1998	Little et al.	
	BR	US-5,857,853	01-12-1999	van Nifterick et al.	
	BS	US-5,866,058	02-02-1999	Balchelder et al.	
	BT	US-5,879,158	03-09-1999	Doyle et al.	
	BU	US-5,880,961	03-09-1999	Crump	
	BV	US-5,880,962	03-09-1999	Andersson et al.	
	BW	US-5,934,288	08-10-1999	Avila et al.	
	BX	US-5,957,688	09-28-1999	Anthony	
	BY	US-5,964,587	10-12-1999	Sato	
	BZ	US-5,971,754	10-28-1999	Sondhi et al.	
	CA	US-6,082,861	05-16-2000	Andersson	
	CB	US-6,068,482	05-30-2000	Snow	
	CC	US-6,099,314	08-08-2000	Kopelman et al.	
	CD	US-6,123,544	09-26-2000	Cleary	
	CE	US-6,152,731	11-28-2000	Jordan et al.	
	CF	US-6,183,248	02-06-2001	Chisti et al.	
	CG	US-6,190,165	02-20-2001	Andreiko et al.	
	CH	US-6,217,325	04-17-2001	Chisti et al.	
	CI	US-6,309,215	10-30-2001	Phan et al.	
	CJ	US-6,322,359	11-27-2001	Jordan et al.	
	CK	US-6,382,975	05-07-2002	Poirier	
	CL	US-6,398,548	06-04-2002	Muhammad et al.	
	CM	US-6,402,707	06-11-2002	Ernst	
	CN	US-6,482,288	11-19-2002	Bhatnagar	
	CO	US-6,524,101	02-25-2003	Phan et al.	
	CP	US-6,554,811	04-29-2003	Chishti et al.	
	CQ	US-6,572,372	06-03-2003	Phan et al.	
/AS/	CR	US-6,629,840	10-07-2003	Chishti et al.	

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/AS/	CS	US-6,705,863	03-16-2004	Phan et al.	
↓	CT	US-6,722,880	04-20-2004	Chishti et al.	
	CU	2002/0006597	01-17-2002	Andreiko et al.	
	CV	2003/0224311	12-04-2003	Cronauer	
	CW	2003/0009252 A1	01-09-2003	Pavlovskaja et al.	
	CX	2003/0139834 A1	07-24-2003	Nikolskiy et al.	
	CY	2004/0128010 A1	07-01-2004	Pavlovskaja et al.	
↓	CZ	2005/0055118 A1	03-10-2005	Nikolskiy et al.	
/AS/	DA	RE 35169	03-05-1996	Lemchen et al.	

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
/AS/	DB	AU	517102		07-09-1981	Hito Suyehiro		<input type="checkbox"/>
	DC	AU	3031677		05-10-1979	Hito Suyehiro		<input type="checkbox"/>
	DD	AU	5588894		06-08-1994	Ormco Corp.		<input type="checkbox"/>
	DE	CA	1121955		04-20-1982	Suyehiro Hito		<input type="checkbox"/>
	DF	DE	2749802		05-11-1978	Suyehiro Hito		<input type="checkbox"/>
	DG	DE	69327661		07-20-2000	Ormco Corp.		<input type="checkbox"/>
	DH	EP	0667753		08-23-1995	Ormco Corp.		<input type="checkbox"/>
	DI	ES	463897		01-01-1980	Hito Suyehiro		<input type="checkbox"/>
	DJ	GB	1550777		08-22-1979	Hito Suyehiro		<input type="checkbox"/>
	DK	JP	04-028359		01-30-1992	Mitsubishi Petrochemical Co.		<input type="checkbox"/>
	DL	JP	53-058191		05-25-1978	Yoshii		<input type="checkbox"/>
/AS/	DM	JP	08-508174		09-03-1996	Ormco Corp		<input type="checkbox"/>
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								<input type="checkbox"/>

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/AS/	DN	ALCANIZ, <i>et al.</i> , "An Advanced System for the Simulation and Planning of Orthodontic Treatments," Karl Heinz Hohne and Ron Kikinis (eds.), <i>Visualization in Biomedical Computing, 4th Int'l. Conf., VBC '96, Hamburg, Germany, September 22-25, 1996</i> , Springer-Verlag, pp. 511-520.	<input type="checkbox"/>
	DO	"Important Tip About Wearing the Red White & Blue Active Clear Retainer System," Allesee Orthodontic Appliances-Pro Lab, 1 page.	<input type="checkbox"/>
	DP	"The Choice Is Clear: Red, White & Blue . . . The Simple, Affordable, No-Braces Treatment," Allesee Orthodontic Appliances-Pro Lab product information for doctors, < <a href="http://ormco.com/aoa/applianceservices/RWB/doctor.html">http://ormco.com/aoa/applianceservices/RWB/doctor.html</a> >, 5 pages (May 19, 2003).	<input type="checkbox"/>
	DQ	"The Choice is Clear: Red, White & Blue . . . The Simple, Affordable, No-Braces Treatment," Allesee Orthodontic Appliances-Pro Lab product information for patients, < <a href="http://ormco.com/aoa/applianceservices/RWB/patients.html">http://ormco.com/aoa/applianceservices/RWB/patients.html</a> >, 2 pages (May 19, 2003).	<input type="checkbox"/>
	DR	"The Choice Is Clear: Red, White & Blue . . . The Simple, Affordable, No-Braces Treatment," Allesee Orthodontic Appliances-Pro Lab product information, 6 pages (2003).	<input type="checkbox"/>
	DS	"The Red, White & Blue Way to Improve Your Smile!" Allesee Orthodontic Appliances-Pro Lab product information for patients, 2 pages.	<input type="checkbox"/>
	DT	"You May Be A Candidate For This Invisible No-Braces Treatment," Allesee Orthodontic Appliances-Pro Lab product information for patients, 2 pages.	<input type="checkbox"/>
	DU	ANDREWS, <i>The Six Keys to Optimal Occlusion Straight Wire</i> , Chapter 3, pp 13-24.	<input type="checkbox"/>
	DV	BARTELS, <i>et al.</i> , <i>An Introduction to Splines for Use in Computer Graphics and Geometric Modeling</i> , Morgan Kaufmann Publishers, pp. 422-425 (1987).	<input type="checkbox"/>
	DW	BIOSTAR OPEATION & TRAINING MANUAL. Great Lakes Orthodontics, Ltd. 199 Fire Tower Drive, Tonawanda, New York. 14150-5890. 20 pages total	<input type="checkbox"/>
/AS/	DX	BLU, <i>et al.</i> , "Linear Interpolation revitalized", <i>IEEE Trans. Image Proc.</i> , 13(5):710-719 (May 2004).	<input type="checkbox"/>

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/AS/	DY	BOYD <i>et al.</i> , "Three Dimensional Diagnosis and Orthodontic Treatment of Complex Malocclusions With the Invisalign Appliance," <i>Semin. Orthod.</i> , 7(4):274-293 (December 2001).	<input type="checkbox"/>	
↓	DZ	BURSTONE (Interview), "Dr. Charles J. Burstone on The Uses of the Computer In Orthodontic Practice (Part 1)," <i>J. Clin. Orthod.</i> , 13(7):442-453 (July 1979).	<input type="checkbox"/>	
	EA	Cardinal Industrial Finishes, Powder Coatings Information posted at < <a href="http://www.cardinalpaint.com">http://www.cardinalpaint.com</a> > on Aug. 25, 2000, 2 pages.	<input type="checkbox"/>	
	EB	DENT-X posted on 09/24/98 at < <a href="http://www.dent-x.com/DentSim.htm">http://www.dent-x.com/DentSim.htm</a> >, 6 pages.	<input type="checkbox"/>	
	EC	DuraClear <sup>TM</sup> product information, Allesee Orthodontic Appliances-Pro Lab, 1 page.	<input type="checkbox"/>	
	ED	English translation of Japanese Laid-Open Publication No. 63-11148 to Inventor T. Ozukuri (Laid-Open on January 18, 1998) pp. 1-7.	<input type="checkbox"/>	
	EE	GOTTLEIB <i>et al.</i> , "JCO Interviews Dr. James A. McNamara, Jr., on the Frankel Appliance: Part 2: Clinical Management," <i>J. Clin. Orthod.</i> , 16(6):390-407 (June 1982).	<input type="checkbox"/>	
	EF	HIGHBEAM RESEARCH, "Simulating Stress Put on Jaw," Tooling & Production [online], November 1996, pp. 1-2, retrieved from the Internet on 11/05/2004, URL < <a href="http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja...">http://static.highbeam.com/t/toolingampproduction/november011996/simulatingstressputonja...</a> >.	<input type="checkbox"/>	
	EG	HIKAGE, "Integrated Orthodontic Management System for Virtual Three-Dimensional Computer Graphic Simulation and Optical Video Image Database for Diagnosis and Treatment Planning", <i>Journal of Japan Orthodontic Society</i> , February 1987, English translation, pp. 1-38, Japanese version, 46(2), pp. 248-269 (60 pages total).	<input type="checkbox"/>	
	BH	KOCHANNEK, "Interpolating Splines with Local Tension, Continuity and Bias Control," <i>Computer Graphics</i> , 18(3):33-41 (July 1984).	<input type="checkbox"/>	
	/AS/	BI	KUNII <i>et al.</i> , "Articulation Simulation for an Intelligent Dental Care System," <i>Displays</i> 15:181-188 (1994).	<input type="checkbox"/>
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/AS/	EJ	MANETTI, <i>et al.</i> , "Computer-Aided Cefalometry and New Mechanics in Orthodontics," (Article Summary in English, article in German), <i>Fortschr. Kieferorthop.</i> 44, 370-376 (Nr. 5), 1983.	<input type="checkbox"/>
	EK	MCCANN, "Inside the ADA," <i>J. Amer. Dent. Assoc.</i> , 118:286-294 (March 1989).	<input type="checkbox"/>
	EL	MOLES, "Correcting Mild Malalignments - As Easy As One, Two, Three," <i>AOA/Pro Corner</i> , 2 pages.	<input type="checkbox"/>
	EM	PROFFIT <i>et al.</i> , <i>Contemporary Orthodontics</i> , (Second Ed.), Chapter 15, Mosby Inc., pp 470-533 (October 1993).	<input type="checkbox"/>
	EN	RAINTREE ESSIX & ARS MATERIALS, INC., Raintree Essix, Technical Magazine Table of contents and Essix Appliances, < <a href="http://www.essix.com/magazine/default.html">http://www.essix.com/magazine/default.html</a> > Aug. 13, 1997, 7 pages.	<input type="checkbox"/>
	EO	RICHMOND <i>et al.</i> , "The Development of the PAR Index (Peer Assessment Rating): Reliability and Validity," <i>Eur. J. Orthod.</i> , 14:125-139 (1992).	<input type="checkbox"/>
	EP	SCHROEDER <i>et al.</i> , Eds. <i>The Visual Toolkit</i> , Prentice Hall PTR, New Jersey (1998) Chapters 6, 8 & 9, (pages 153-210, 309-354, and 355-428, respectively).	<input type="checkbox"/>
	EQ	SINCLAIR, "The Readers' Corner," <i>J. Clin. Orthod.</i> , 26(6):369-372 (June 1992).	<input type="checkbox"/>
	ER	STURMAN, "Interactive Keyframe Animation of 3-D Articulated Models," <i>Proceedings Graphics Interface '84</i> , May-June 1984, pp. 35-40.	<input type="checkbox"/>
	ES	TRUAX L., "Truax Clasp-Less(TM) Appliance System," <i>Funct. Orthod.</i> , 9(5):22-4, 26-8 (September-October 1992).	<input type="checkbox"/>
/AS/	ET	TRU-TAIN ORTHODONTIC & DENTAL SUPPLIES, Product Brochure, Rochester, Minnesota 55902, 16 pages total.	<input type="checkbox"/>

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NON PATENT LITERATURE DOCUMENTS			
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/ASI/	EU	WSCG'98 - Conference Program, "The Sixth International Conference in Central Europe on Computer Graphics and Visualization '98," February 9-13, 1998, pp. 1-7, retrieved from the Internet on 11/05/2004, URL < <a href="http://wscg.zcu.cz/wscg98/wscg98.h">http://wscg.zcu.cz/wscg98/wscg98.h</a> >.	<input type="checkbox"/>
	EV	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); I. The D.P. Concept and Implementation of Transparent Silicone Resin (Orthocon)," <i>Nippon Dental Review</i> , 452:61-74 (June 1980).	<input type="checkbox"/>
	EW	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); II. The D.P. Manufacturing Procedure and Clinical Applications," <i>Nippon Dental Review</i> , 454:107-130 (August 1980).	<input type="checkbox"/>
	EX	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); III.- The General Concept of the D.P. Method and Its Therapeutic Effect, Part 2. Skeletal Reversed Occlusion Case Reports," <i>Nippon Dental Review</i> , 458:112-129 (December 1980).	<input type="checkbox"/>
/ASI/	EY	YOSHII, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.); III. The General Concept of the D.P. Method and Its Therapeutic Effect, Part 1, Dental and Functional Reversed Occlusion Case Reports," <i>Nippon Dental Review</i> , 457:146-164 (November 1980).	<input type="checkbox"/>

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete If Known</b>	
				Application Number	09/888,261
				Filing Date	June 21, 2001
				First Named Inventor	NIKOLSKIY, SERGEY
				Art Unit	2123
Examiner Name	Ayal I. Sharon				
Attorney Docket Number	018563-003410US				
Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number Kind Code <sup>2</sup> (If known)				
/AS/	AA	US-6,151,404	11-2000	Pleper		
/AS/	AB	US-6,260,000	07-2001	Karasaki et al.		
/AS/	BA	US-6,545,678	04-2003	Ohazama		
/AS/	BB	US-6,558,162	05-2003	Porter et al.		

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/888,261
				Filing Date	June 21, 2001
				First Named Inventor	NIKOLSKIY, SERGEY
				Art Unit	2123
Examiner Name	Ayal I. Sharon				
Sheet	2	of	2	Attorney Docket Number	018563-003410US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/AS/	BC	MA, C.C. and CHEN, M.J., "Vertex-Based Shape Coding in Polar Coordinates for MPEG-4," Taiwan Area Network Conference, November 9-11, 1998 < <a href="http://tanet98.ndu.tx/TANET98/HOMEPAGE/paper/2b_1/2b_1.htm">http://tanet98.ndu.tx/TANET98/HOMEPAGE/paper/2b_1/2b_1.htm</a> >.	<input type="checkbox"/>
/AS/	BD	MA, C.C. et al., "Efficient Shape Coding Algorithm for Object-Oriented Video in MPEG-4," Int'l. Conf. on Consumer Electronics (ICCE '99), June 22-24, 1999, pp. 174-175.	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

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